

### **Abstract**

Embodiments of the invention are directed to a detection system, method and apparatus that identifies and eradicates fraudulent requests on a network. Embodiments of the detection system comprise at least one router, a server, and an activity monitoring system. The activity monitoring system comprises a route arbiter and a traffic analyzer, wherein the route arbiter monitors the activity on the router. The route arbiter continuously monitors the router and firewall device to determine if abnormal activity or traffic patterns are emerging. If a determination is made that abnormal activity or abnormal traffic patterns exist, the activity monitoring system responds by blocking the activity or redirecting the traffic.